

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Original) A composing method for composing a data compartment aggregation packet frame comprising:
 - generating a plurality of data compartments, each having a compartment identifier, an MSDU and a compartment FCS;
 - combining the data compartments to define a data carriage;
 - generating a carriage header to be located in front of the data carriage to define a carriage;
 - generating a MAC header to be located in front of the carriage, said MAC header including a portion allocated with a unique bit pattern; and
 - generating a frame FCS for error detection in the MAC header and the carriage.
2. (Original) A composing method of claim 1, wherein said carriage header includes a compartment count indicating the number of data compartments, a compartment length information indicating the length of each of the data compartment and a header FCS.

3. (Original) A composing method of claim 1, wherein said compartment identifier includes only a compartment sequence control number.

4. (Original) A composing method of claim 1, wherein said compartment identifier includes only a flow identifier and a compartment sequence control number.

5. (Original) A composing method of claim 1, wherein said compartment identifier includes only a compartment recipient address, and a compartment sequence control number.

6. (Original) A composing method of claim 1, wherein said compartment identifier includes only a compartment recipient address, a flow identifier and compartment sequence control number.

7. (Original) A composing method of claim 1, wherein said compartment identifier includes a MAC header.

8. (Original) A composing apparatus for composing a data compartment aggregation packet frame comprising:

means for generating one or more data compartments, each having a compartment identifier, an MSDU and a compartment FCS;

means for combining the data compartments to define a data carriage;

means for generating a carriage header to be located in front of the data carriage to define a carriage;

means for generating a MAC header to be located in front of the carriage, said MAC header including a portion allocated with a unique bit pattern; and

means for generating a frame FCS for error detection in the MAC header and the carriage.

9. (Original) A composing apparatus of claim 8, wherein said carriage header includes a compartment count indicating the number of data compartments, a compartment length information indicating the length of each of the data compartment and a header FCS.

10. (Original) A composing apparatus of claim 8, wherein said compartment identifier includes only a compartment sequence control number.

11. (Original) A composing apparatus of claim 8, wherein said compartment identifier includes only a flow identifier and a compartment sequence control number.

12. (Original) A composing apparatus of claim 8, wherein said compartment identifier includes only a compartment recipient address, and a compartment sequence control number.

13. (Original) A composing apparatus of claim 8, wherein said compartment identifier includes only a compartment recipient address, a flow identifier and compartment sequence control number.

14. (Original) A composing apparatus of claim 8, wherein said compartment identifier includes a MAC header.

15. (Original) A decomposing method for decomposing a data compartment aggregation packet frame having a MAC header, carriage header and a plurality of data compartments, said decomposing method comprising:

- detecting a unique bit pattern located in a MAC header;
- separating data compartments; and
- processing the data compartments.

16. (Original) A decomposing apparatus for decomposing a data compartment aggregation packet frame having a MAC header, carriage header and a plurality of data compartments, said decomposing apparatus comprising:

means for detecting a unique bit pattern located in a MAC header;
means for separating data compartments; and
means for processing the data compartments.

17. (Original) A computer readable data compartment aggregation packet frame comprising:

a plurality of data compartments, each having a compartment identifier, an MSDU and a compartment FCS, said data compartments being aligned to define a data carriage;

a carriage header located in front of the data carriage to define a carriage;

a MAC header located in front of the carriage, said MAC header including a portion allocated with a unique bit pattern; and

a frame FCS for error detection in the MAC header and the carriage.

18. (Original) A computer readable data compartment aggregation packet frame of claim 17, wherein said carriage header includes a compartment count indicating the number of data compartments, a compartment length information indicating the length of each of the data compartment and a header FCS.

19. (Original) A computer readable data compartment aggregation packet frame of claim 17, wherein said compartment identifier includes only a compartment sequence control number.

20. (Original) A computer readable data compartment aggregation packet frame of claim 17, wherein said compartment identifier includes only a flow identifier and a compartment sequence control number.

21. (Original) A computer readable data compartment aggregation packet frame of claim 17, wherein said compartment identifier includes only a compartment recipient address, and a compartment sequence control number.

22. (Original) A computer readable data compartment aggregation packet frame of claim 17, wherein said compartment identifier includes only a compartment recipient address, a flow identifier and compartment sequence control number.

23. (Original) A computer readable data compartment aggregation packet frame of claim 17, wherein said compartment identifier includes a MAC header.

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24. (New) A composing method of claim 1, wherein said compartment identifier includes a compartment recipient address, and said MAC header includes a non-unicast recipient address.